

## CONTACT



LINKEDIN  
in



GITHUB  
guillermopr94



EMAIL  
guillermoperezruiz94@gmail.com

## TECHNICAL SKILLS

### LEADERSHIP & ARCHITECTURE

Tech Leadership • Player-Coach Model  
• Legacy Modernization • System Design • Agile (SAFe/Scrum) • Technical Mentoring

### FRONTEND & APPS

React (Hooks, Context) • TypeScript • Next.js • Electron • Tailwind CSS • Angular • Responsive Design

### BACKEND & SYSTEMS

Node.js (Express/NestJS) • Java (Spring Boot) • Go • Scala • Kafka • RESTful APIs • Microservices

### DEVOPS & CLOUD

AWS (ECS, S3, CloudFront, Secrets) • Docker • CI/CD (GitHub Actions, Jenkins) • IaC (Terraform) • Monitoring (Grafana, CloudWatch)

### DATA & SECURITY

PostgreSQL • MongoDB • Redis • NoSQL • Snyk / SonarQube • Data Decoupling

### AI & INNOVATION

AI Agent Integration • Generative AI APIs • Prompt Engineering • Model Fallback Strategies • AI-Driven Automation

# Guillermo Pérez Ruiz

## Tech Lead (Hands-On) / Senior Full-Stack Engineer

*Senior Engineer & Tech Lead with over 7 years of experience in platform modernization, scalable cloud architectures, and advanced automation. I act as a player-coach, bridging the gap between product strategy and engineering execution through direct implementation of high-impact changes.*

## PROFESSIONAL EXPERIENCE

### Tech Lead (Hands-On) / Senior Full-Stack Engineer

2021 – Present

#### MAHLE SmartBike Systems | Remote

- Technical Leadership & Strategy: Managed team workflows, led technical decision-making, and aligned product requirements with architectural scalability.
- Legacy Modernization: Transformed a monolithic React/Express application with severe technical debt (no tests, no clear architecture) into a modern, micro-service ready system.
- Cloud Infrastructure: Fully dockerized the environment and migrated all services to AWS ECS (Fargate) with auto-scaling, ALB, and secure IAM policies.
- Frontend Orchestration: Migrated web frontend to S3 + CloudFront, optimizing global delivery, reducing costs and implementing custom WAF rules.
- Advanced CI/CD & Quality: Engineered automated pipelines with branch synchronization, release blocking mechanisms, and security gates using Snyk and SonarQube.
- React Evolution: Executed a zero-downtime progressive migration from Class Components to Hooks and TypeScript, improving development velocity and type safety.
- Data Layer Decoupling: Optimized storage by separating raw location data to S3, session management to Redis, and volatile configurations to MongoDB.
- Electron & Low-Level Hardware: Built and maintain an Electron desktop app for EOL manufacturing, integrating low-level CAN bus/UDS protocols for bike diagnostics.
- Observability & Monitoring: Implemented comprehensive monitoring with Grafana dashboards, CloudWatch alarms and health-check systems.

React

Node.js

AWS (ECS/S3/ALB/Secrets)

TypeScript

Redis

Docker

Electron

CAN bus

UDS

Grafana

### QA-DevOps & Full-Stack Developer / Tech Lead

2020 – 2023

#### Izertis S.A. (Client: Inditex) | Remote

- Enterprise Automation: Developed mass-analysis scripts to audit thousands of repositories, evaluating technical health across different departments.
- Application Discovery Platform: Headed the development of 'Yellow Pages' (React/Spring Boot), a centralized platform used company-wide to discover and manage services.
- Quality Standardization: Enforced quality gates (SonarQube, Jacoco) and unit test thresholds. Managed the global migration from Bamboo to GitHub Actions.
- Distributed Systems: Integrated real-time data synchronization using Kafka and implemented dedicated search engines for high-performance service discovery.
- Technical Auditing & Mentoring: Conducted periodic audits to ensure compliance with quality standards and provided training on testing and pipeline configuration.

React

Spring Boot

Kafka

GitHub Actions

Grafana

Go

SonarQube

Snyk

Jacoco

Cognizant Technology Solutions | International / Valladolid

- Digital Banking Evolution: Developed and modernized banking flows, migrating legacy AngularJS components to modern Angular 4+.
- Microservices Architecture: Designed and implemented high-criticality financial microservices from scratch using Spring Boot and Scala.
- Engineering Excellence: Acted as a technical reference within the squad, conducting rigorous code reviews and implementing SonarQube standards.
- Agile Delivery: Operated within complex Scrum/SAFe frameworks, delivering high-integrity transactional features to thousands of bank customers.
- International Operations: Collaborated daily with distributed teams in Belgium, India, and the Czech Republic in a highly disciplined environment.

Angular

Spring Boot

Microservices

Jenkins

Scrum

Scala

AWS

SonarQube

SELECTED PROJECTS

Adventure Forge

Live

An AI-powered 'choose your own adventure' engine. Built with a high-availability fallback system for LLMs and image generation models, featuring persistent game states and multi-genre support.

 [Live Demo](#)

 [GitHub](#)

Galactic Conquest

In Development

A space-themed procedural deckbuilder roguelike. Utilizes AI to dynamically generate cards, encounters, and world content via modular JSON architectures.

 [GitHub](#)

Crear es Arte

Live

Professional e-commerce platform for artisan crafts. Features automated deployment pipelines, SEO optimization, and a seamless checkout experience.

 [Live Demo](#)

 [GitHub](#)